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1 Lazy XML processing
Markus L. Noga, Steffen Schott, Welf Löwe
November 2002 **DocEng '02:** Proceedings of the 2002 ACM symposium on Document eng
Publisher: ACM
Full text available: 📄 Pdf (197.96 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 50,   Citation Count: 9

This paper formalizes the domain of tree-based XML processing and classifies several implementation approaches. The lazy approach, an original contribution, is presented Proceeding from experimental measurements, we derive a selection strategy ...

Keywords: XML, document object model, lazy evaluation, parsing

2 XML-enabled workflow management for e-services across heterogeneous platfor
German Shegalov, Michael Gillmann, Gerhard Weikum
August 2001 **The VLDB Journal — The International Journal on Very Large Data B**
              10 Issue 1
Publisher: Springer-Verlag New York, Inc.
Full text available: 📄 Pdf (662.54 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 109,   Citation Count: 15

Advanced e-services require efficient, flexible, and easy-to-use workflow technology integrates well with mainstream Internet technologies such as XML and Web servers. discusses an XML-enabled architecture for distributed workflow management ...

Keywords: Business processes, Information system interoperability, Internet e-serv Workflow management, XML/XSL

3 A programming framework for quality-aware ubiquitous multimedia applications
Duangdao Wichadakul, Xiaohui Gu, Klara Nahrstedt
December 2002 **MULTIMEDIA '02:** Proceedings of the tenth ACM international conferenc
              Multimedia
Publisher: ACM
Full text available: 📄 Pdf (1.60 MB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 36,   Citation Count: 6

Ubiquitous computing promises a computing environment that seamlessly and pervas applications to the user, despite changes of resources, devices, and locations. Howev ubiquitous multimedia applications (UMAs) exist up-to-date. One ...

4

Honey, I shrunk the XQuery!: an XML algebra optimization approach

Xin Zhang, Bradford Pielech, Elke A. Rundesnteiner

November 2002 **WIDM '02:** Proceedings of the 4th international workshop on Web inforn data management

Publisher: ACM

Full text available: Pdf (375.44 KB)   Additional Information: full citation, abstract, references, cited b\

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 41, Citation Count: 12

A lot of work is being done in the database community on mapping of XML data into ; relational database systems, specifically, the query processing over such data using) discuss our solution, the XML Algebra Tree (XAT), as part of ...

Keywords: XML, XQuery, algebra, operator, optimization, relational

5 Towards static type checking for XSLT

Akihiko Tozawa

November 2001 **DocEng '01:** Proceedings of the 2001 ACM Symposium on Document en

Publisher: ACM

Full text available: Pdf (175.21 KB)   Additional Information: full citation, abstract, references, cited b\

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 31, Citation Count: 21

We are concerned about the *static type checking* problem for XSLT. In the context of other XML programming, *types* are DTDs or schemas, and *static type checking* is to v program always converts valid source documents ...

6 Engineering component-based net-centric systems for embedded applications

Jens H. Jahnke

September 2001 **ESEC/FSE-9:** Proceedings of the 8th European software engineering co jointly with 9th ACM SIGSOFT international symposium on Foundations (engineering

Publisher: ACM

Full text available: Pdf (1.39 MB)   Additional Information: full citation, abstract, references, cited b\

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 48, Citation Count: 3

The omnipresence of the Internet and the World Wide Web (Web) via phone lines, ca power lines, and wireless RF devices has created an inexpensive media for telemonit(remotely controlling distributed electronic appliances. The great variety ...

Keywords: SDL, component-oriented development, embedded softare, network-cen computing

Also published in:
    September 2001 **SIGSOFT Software Engineering Notes** Volume 26 Issue 5

7 ObjectGlobe: Ubiquitous query processing on the Internet

R. Braumandl, M. Keidl, A. Kemper, D. Kossmann, A. Kreutz, S. Seltzsam, K. Stocker

August 2001 **The VLDB Journal — The International Journal on Very Large Data B** 10 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (251.44 KB)   Additional Information: full citation, abstract, references, cited b\

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 81, Citation Count: 18

We present the design of ObjectGlobe, a distributed and open query processor for Int sources. Today, data is published on the Internet via Web servers which have, if at a

localized query processing capabilities. The goal of the ObjectGlobe ...

Keywords: Cycle-, function- and data provider, Distributed query processing, Open Privacy, Quality of service, Query optimization, Security

8 Interoperable Web services for computational portals

Marlon Pierce, Geoffrey Fox, Choonhan Youn, Steve Mock, Kurt Mueller, Ozgur Balsoy

November 2002 **Supercomputing '02:** Proceedings of the 2002 ACM/IEEE conference on Supercomputing
Publisher: IEEE Computer Society Press

Full text available: Pdf (278.00 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 78,   Citation Count: 8

Computational web portals are designed to simplify access to diverse sets of high per computing resources, typically through an interface to computational Grid tools. An in shortcoming of these portals is their lack of interoperable and ...

9 Middleware for Reactive Components: An Integrated Use of Context, Roles, and Based Coordination

Andry Rakotonirainy, Jaga Indulska, Seng Wai Loke, Arkady B. Zaslavsky

November 2001 **Middleware '01:** Proceedings of the IFIP/ACM International Conference Distributed Systems Platforms Heidelberg
Publisher: Springer-Verlag

Full text available: Pdf (283.65 KB)   Additional Information: full citation, references, cited by

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 7,   Citation Count: 3

10 XSLT powers a new wave of web applications

Cameron Laird

March 2002 **Linux Journal** , Volume 2002 Issue 95
Publisher: Specialized Systems Consultants, Inc.

Full text available: Html (17.61 KB)   Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 16,   Citation Count: 0

Cameron explains the mysteries of XSLT and its multiple uses.

11 Separating access control policy, enforcement, and functionality in extensible sys

Robert Grimm, Brian N. Bershad

February 2001 **Transactions on Computer Systems (TOCS)** , Volume 19 Issue 1
Publisher: ACM

Full text available: Pdf (164.03 KB)   Additional Information: full citation, abstract, references, cited by
review

Bibliometrics: Downloads (6 Weeks): 16,   Downloads (12 Months): 129,   Citation Count: 3

Extensible systems, such as Java or the SPIN extensible operating system, allow for or extensions, to be added to a running system in almost arbitrary fashion. Extension interact through low-latency but type-safe interfaces to ...

Keywords: Java, SPIN, access check, auditing, extensible systems, policy-neutral en protection domain, protection domain transfer, security policy

12 New products

Linux Journal Staff

February 2002 **Linux Journal** , Volume 2002 Issue 94
Publisher: Specialized Systems Consultants, Inc.

Full text available: Html (7.00 KB)   Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 2,   Citation Count: 0

13 Enabling full service surrogates using the portable channel representation
Micah Beck, Terry Moore, Leif Abrahamsson, Christophe Achouiantz, Patrick Johansson
April 2001   **WWW '01:** Proceedings of the 10th international conference on World Wide
Publisher: ACM
Full text available: Pdf (282.92 KB)   Additional Information: full citation, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 19,   Citation Count: 1

Keywords: content distribution, dynamic content, mirroring, portability, replication, web server

14 Model-driven development of Web applications: the AutoWeb system
Piero Fraternali, Paolo Paolini
October 2000 **Transactions on Information Systems (TOIS)** , Volume 18 Issue 4
Publisher: ACM
Full text available: Pdf (6.94 MB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 129,   Downloads (12 Months): 520,   Citation Count: 25

This paper describes a methodology for the development of WWW applications and a environment specifically tailored for the methodology. The methodology and the deve environment are based upon models and techniques already used in the hypermedia,

Keywords: HTML, WWW, application, development, intranet, modeling

15 SilkRoute: A framework for publishing relational data in XML
Mary Fernández, Yana Kadiyska, Dan Suciu, Atsuyuki Morishima, Wang-Chiew Tan
December 2002 **Transactions on Database Systems (TODS)** , Volume 27 Issue 4
Publisher: ACM
Full text available: Pdf (687.91 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 13,   Downloads (12 Months): 113,   Citation Count: 31

XML is the "lingua franca" for data exchange between interenterprise applications. In we describe SilkRoute, a framework for publishing relational data in XML. In SilkRout data is published in three steps: the relational tables ...

Keywords: XML, XML storage systems, XQuery

16 A web-oriented architectural aspect for the emerging computation tapestry
Kevin Sullivan, Avneesh Saxena
July 2001   **ICSE '01:** Proceedings of the 23rd International Conference on Software Eng
Publisher: IEEE Computer Society
Full text available: Publisher Site , Pdf (133.72 KB) Additional Information: full citation, abstract, refei
terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 13,   Citation Count: 0

An emerging tapestry of computations will soon integrate systems around the globe. without central control. Its complexity will be vast. We need new ideas, tools and me map, understand and manage this tapestry. We contribute ...

***Keywords**: architectural aspect, noosphere, software, web interface*

17 Active rules for XML: A new paradigm for E-services
Angela Bonifati, Stefano Ceri, Stefano Paraboschi
August 2001 **The VLDB Journal — The International Journal on Very Large Data B**
10 Issue 1
Publisher: Springer-Verlag New York, Inc.
Full text available: Pdf (81.58 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 48,   Citation Count: 12

XML is rapidly becoming one of the most widely adopted technologies for information
and representation. As the use of XML becomes more widespread, we foresee the de
active XML rules, i.e., rules explicitly designed for the management ...

Keywords: Active databases, Document management, Query languages for XML, XM

18 Managing XML data storage
Jerry Emerick
June 2002 **Crossroads** , Volume 8 Issue 4
Publisher: ACM
Full text available: Html (34.16 KB), Pdf (68.26 KB) Additional Information: full citation, references, in

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 75,   Citation Count: 0

19 Rule-Based Transactional Object Migration over a Reflective Middleware
Damián Arregui, François Pacull, Jutta Willamowski
November 2001 **Middleware '01:** Proceedings of the IFIP/ACM International Conference
Distributed Systems Platforms Heidelberg
Publisher: Springer-Verlag
Full text available: Pdf (180.88 KB)   Additional Information: full citation, references, cited by

Bibliometrics: Downloads (6 Weeks): 4,   Downloads (12 Months): 4,   Citation Count: 2

20 Profiles for the situated web
Lalitha Suryanarayana, Johan Hjelm
May 2002 **WWW '02:** Proceedings of the 11th international conference on World Wide
Publisher: ACM
Full text available: Pdf (263.89 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 67,   Citation Count: 3

The World Wide Web is evolving into a medium that will soon make it possible for cor
implementing situation-aware services. A situation-aware or situated web application
renders the user with an experience (content, interaction ...

Keywords: CC/PP, XML, profiles, situated-aware applications, vocabulary, web archi

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